



Department of Defense

DIRECTIVE

August 2, 1989

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SUBJECT: Precision Guided Weapons Countermeasures Test and Evaluation Directorate

References: (a) Director, Defense Test and Evaluation Memorandum; "Charter for the **Electro-Optical** Guided Weapons Countermeasures/Counter-Countermeasures Joint Test and Evaluation Directorate, " July 16, 1982 (hereby canceled)
(b) Title 10, United States Code

A. PURPOSE

1. This Directive supersedes reference (a) .

2. Pursuant to the authority vested in the Secretary of Defense under reference (b), this Directive establishes the Precision Guided Weapons Countermeasures (**PGWCM**) Test and Evaluation (**T&E**) Directorate and prescribes its organization, mission, objectives, functions, responsibilities, administration, authority, and funding.

B. APPLICABILITY

This Directive applies to the Office of the Secretary of Defense (**OSD**), the Joint Staff, the Military Departments , and the Defense Agencies (hereafter referred to collectively as "DoD Components").

C. DEFINITIONS

1. Precision Guided Weapon Systems. Those systems operating in all frequency bands, particularly those in the **electro-optical** and **millimeterwave** regimes.

2. **Electro-optical** Guided Weapon Systems. Those systems which employ integral **electro-optical** sensors typically in the 0.2 to 14.0 micrometer region for acquisition, mid-course and terminal guidance, or for fuzing functions.

3. Millimeterwave Guided Weapon Systems. Those systems which are typically designed to operate in the 30 to 300 gigahertz region for acquisition, mid-course and terminal guidance, or for **fuzing** functions. Countermeasures and/or Counter-Countermeasures (**CM/CCM**) to be considered will be those that depend on, or take advantage of, the technical and operational characteristics of **electro-optical** sensors and/or **millimeterwave** componentry.

D. ORGANIZATION

The **PGWCM T&E** Directorate is hereby established as a joint activity operating under the policy guidance, supervision, and technical direction of the Deputy Director, Defense Research and Engineering (Test and Evaluation) (**DDRE (T&E)**). The Secretary of the Army shall provide administrative support and manpower spaces as requested by the **DDRE(T&E)** for accomplishing the assigned mission. The Directorate shall consist of a Director and a subordinate organizational structure as established by the Director within the funding and equipment resources authorized by the **DDRE(T&E)** and the civilian manpower resources provided by the Secretary of the Army. The Directorate shall be located, at White Sands Missile Range, New Mexico; however, the ability to conduct **CM/CCM** test operations on a worldwide basis shall be retained "as a necessary capability.

E. MISSION

The mission of the **PGWCM T&E** Directorate is to direct, coordinate, support, and conduct **CM/CCM T&E** activities applicable to all precision guided weapon systems and related componentry and such other **T&E** activities as the **DDRE(T&E)** may direct.

F. OBJECTIVES

The objectives of the **PGWCM T&E** Directorate are to:

1. Determine the performance and limitations of precision guided weapon systems, subsystems, and components in a CM environment, beginning at the concept formulation stage and extending throughout their operational lifetimes.
2. Evaluate the practicability and effectiveness of **CM/CCM** techniques and devices against guided weapon systems, subsystems, and components with emphasis on the operational environment.
3. Provide information and recommendations to weapon system developers, Developmental Test and Evaluation (**DT&E**) and Operational Test and Evaluation (**OT&E**) Agencies, and DoD Components on the effectiveness of **CM/CCM** techniques and devices.
4. Develop, maintain, and disseminate a lexicon of **PGWCM** vulnerability and/or susceptibility terminology. Included in this product is the collection of related Developmental and Operational Test conditions, analyses, and evaluation criteria.

G. FUNCTIONS AND RESPONSIBILITIES

1. The Deputy Director, Defense Research and Engineering (Test and Evaluation) (**DDRE(T&E)**), shall:
 - a. Provide technical direction, supervision, and policy guidance to the Director, **PGWCM T&E** Directorate.
 - b. Review and approve the annually updated **PGWCM T&E** Directorate Program Plan.

c. Review and approve the program budget plans.

---- d. Coordinate susceptibility and/or vulnerability analyses and test reports with appropriate OSD agencies.

2. The Director, Precision Guided Weapons Countermeasures Test and Evaluation Directorate, shall:

a. Report directly to **DDDRE(T&E)** for test policy, program direction and planning, execution, and reporting of the funded program.

b. Organize, " manage, and operate the **PGWCM T&E** Directorate within the policies and guidance of the **DDDRE(T&E)** and the annually updated Program Plan, as approved.

c. Coordinate directly with weapon system developers and **DT&E** and **OT&E** Agencies to define the scope, depth, and schedule of precision guided weapon system **CM/CCM** testing activities. Test activities shall ensure the independence of precision guided weapons **CM/CCM T&E** from developer influence.

d. Identify related test programs within the Military Departments and Defense Agencies and, when feasible, make use of pertinent data or results.

e. Perform, conduct, or participate in precision guided weapon systems susceptibility and/or vulnerability analyses.

f. Maintain, obtain, and utilize an inventory of CM test devices and instrumentation sufficient to support program **T&E** activities.

g. Develop, or recommend development of, required CM test equipment and devices not under development or available within DoD Components' programs.

h. Conduct, coordinate, participate in, or be cognizant of, foreign equipment exploitation within the overall objectives of the program.

i. Develop specific system **CM/CCM** test directives and coordinate such directives with the appropriate DoD Components. A copy of each **CM/CCM** test directive shall be provided to the **DDDRE(T&E)**.

j. Develop, analyze, and test feasible **CM/CCM** techniques and make **CM/CCM** recommendations to weapon system developers and OSD.

k. Determine resources required to conduct **CM/CCM** testing, coordinate requirements with the respective DoD Components, and seek support from the appropriate DoD Components.

1. Conduct or participate in **CM/CCM** testing at various geographical and environmental locations, collect and analyze data, and evaluate and assess the test results.

m. Prepare analyses and test reports in cooperation with, but independent of, the participating DoD Components.

n. Develop and maintain an expanding common **CM/CCM** data base for precision guided weapon systems.

o. Coordinate educational programs and furnish consultative services to improve the awareness of, and responsiveness to, **CM/CCM** technology.

p. Prepare and provide to the **DDDRE(T&E)** an annual **PGWCM T&E** Directorate Program Plan.

3. DoD Components shall support the **PGWCM T&E** Directorate as follows:

a. Identify to the **PGWCM T&E** Directorate all precision guided weapon systems and related componentry that fall under the purview of the Directorate.

b. Coordinate with the **PGWCM T&E** Directorate on the scope, depth, and schedule of precision guided weapon systems **CM/CCM** testing activities.

c. Assist the **PGWCM T&E** Directorate, as required, to perform, conduct, or participate in precision guided weapon systems susceptibility and/or vulnerability analyses.

d. Coordinate requirements and provide support in response to tasking by the **PGWCM T&E** Directorate for resources required to conduct **CM/CCM** testing.

e. Assist the **PGWCM T&E** Directorate to conduct or participate in **CM/CCM** testing at various geographical and/or environmental locations, collect and analyze data, and assess the test results.

H. ADMINISTRATION

1. The Director, **PGWCM T&E** Directorate, shall be a civilian selected by the **DDDRE(T&E)**. The Director shall be responsible for the on-site management and conduct of the program and shall report directly to the **DDDRE(T&E)** who is responsible for his efficiency and/or performance ratings.

2. Administrative and logistical support at White Sands Missile Range for the **PGWCM T&E** Directorate shall be provided by the Department of the Army using appropriate inter-Service support agreements. Support for the **PGWCM T&E** Directorate activities at locations other than White Sands Missile Range shall be provided by the applicable DoD Component requiring **PGWCM T&E** Directorate services.

3. The Army, Navy, Air Force, and Marine Corps shall each attach one technically qualified field grade officer (O-5) to the **PGWCM T&E** Directorate in accordance with currently approved authorizations and procedures for assignment to joint test activities to perform duties as Service Technical Liaison Officers. The performance and/or evaluation reports of these officers shall be prepared by the Director in accordance with appropriate Service Letters of Instruction.

I. AUTHORITY

The Director, **PGWCM T&E** Directorate, is delegated authority to:

1. Communicate directly with DoD Components and, after appropriate coordination, with other Government and non-Government organizations.

2. Obtain such information, data, analyses, reports, and assistance from DoD Components within available resources as deemed necessary for the performance of assigned functions and responsibilities.

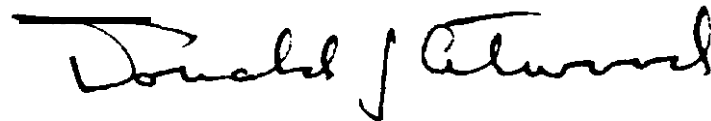
3. Manage all program resources within the policies and guidelines provided by the **DDDRE(T&E)** and the annually approved Program Plan.

J. FUNDING

Funds for the operation of the **PGWCM T&E** Directorate shall be provided by the **DDDRE(T&E)** directly to the Director.

K. EFFECTIVE DATE

This Directive is effective immediately.



Donald J. Atwood
Deputy Secretary of Defense